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(54) Improved switches

(57) Micromechanical microwave switches with both ohmic and capacitive coupling (802, 812, 803) of rf lines and integration in multiple throw switches useful in microwave arrays.

The invention can be embodied in the form of a

phase shifter, a time delay network, a filter selective network or in an integrated circuit.

The invention has advantages including switches with no power consumption, low cost, linearity and also compatability with both Silicon and Gallium arsenide intergrated circuits.

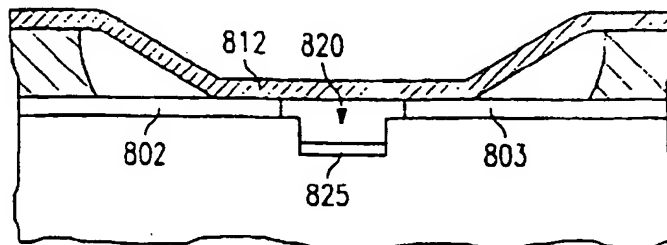


FIG. 8b

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EUROPEAN SEARCH REPORT

Application Number
EP 95 30 7675

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| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 17 June 1997 | Examiner Den Otter, A |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons * : member of the same patent family, corresponding document</p> | | | |

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Application Number
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| The present search report has been drawn up for all claims | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| Place of search THE HAGUE | | Date of completion of the search 17 June 1997 | Examiner Den Otter, A |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>* : member of the same patent family, corresponding document</p> | | | |

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